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U. S. DEPARTMENT OF AGRICULTURE  
BUREAU OF AGRICULTURAL ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics

Service and Regulatory Announcements No. 108  
Amendment No. 3

Amendment to the Standards for Rough Rice

By virtue of the authority vested in the Secretary of Agriculture by the Act of Congress entitled "An Act Making Appropriations for the Department of Agriculture for the fiscal year ending June 30, 1934, and for Other Purposes", approved March 3, 1933 (Public No. 419, 72nd Congress), I, H. A. Wallace, Secretary of Agriculture, do make, prescribe, publish, and give public notice of the following amendments to the standards for rough rice, as promulgated in Service and Regulatory Announcement No. 108, issued September 20, 1929, said amendments to be effective July 26, 1933, and to continue in force and effect as long as Congress shall provide the necessary authority therefor, unless amended or superseded by standards hereafter prescribed and promulgated under such authority.

Amend the classes of rough rice to read as follows:

Honduras Rough Rice (Class I)

This class shall include the rices known commercially as Honduras and Mortgage Lifter, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Edith Rough Rice (Class II)

This class shall include the rice known commercially as Edith, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Fortuna Rough Rice (Class III)

This class shall include the rice known commercially as Fortuna, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Carolina Rough Rice (Class IV)

This class shall include the rices known commercially as Carolina and Storm Proof, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Lady Wright Rough Rice (Class V)

This class shall include the rice known commercially as Lady Wright, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Early Wright Rough Rice (Class VI)

This class shall include the rice known commercially as Early Wright and may include not more than 10 percent of whole kernels of rice of any other class or classes.

American Patna Rough Rice (Class VII)

This class shall include the rice known commercially as American Patna (the variety Rexoro), and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Delitus Rough Rice (Class VIII)

This class shall include the rice known commercially as Delitus, and may include not more than 10 percent of whole kernels of rice of any other class or classes.



Shoemed Rough Rice (Class IX)

This class shall include the rice known commercially as Shoemed, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Blue Rose Rough Rice (Class X)

This class shall include the rices known commercially as Blue Rose, Greater Blue Rose, and Improved Blue Rose, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Early Prolific Rough Rice (Class XI)

This class shall include the rice known commercially as Early Prolific, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Louisiana Pearl Rough Rice (Class XII)

This class shall include the rice known commercially as Louisiana Pearl, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

Japan Rough Rice (Class XIII)

This class shall include the rice known commercially as Japan, and may include not more than 10 percent of whole kernels of rice of any other class or classes. This class shall be divided into two subclasses designated as (a) Japan rough rice and (b) California-Japan rough rice.

Subclass (A) Japan Rough Rice

This subclass shall include all rices known commercially as Japan possessing the characteristics of rice of this class as grown east of the Rocky Mountains.

Amend the grade requirements for the classes Honduras, Edith, Fortuna, Carolina, Lady Wright, Early Wright, American Patna, Delitus, Shoemed, Blue Rose, Early Prolific, and Louisiana Pearl rough rice, and for the subclass Japan rough rice to read as follows:

Grade requirements for the classes Honduras, Edith, Fortuna, Carolina, Lady Wright, Early Wright, American Patna, Delitus, Shoemed, Blue Rose, Early Prolific, and Louisiana Pearl rough rice, and for the subclass Japan rough rice.

Grade	Maximum limits of -				
	Damaged kernels		Red rice	Cereal grains	Other classes
	Total	Heat damage			
	%	%	%	%	%
1	2	Trace	0.5	Trace	1
2	4	0.02	2.5	0.02	2
3	7	0.04	5.0	0.04	4
4	10	0.06	10.0	0.06	6
5	15	0.08	15.0	0.08	10
6	20	0.1	20.0	0.1	10

Sample grade: Sample grade shall be rough rice of the class Honduras, of Edith, or Fortuna, or Carolina or Lady Wright, or Early Wright, or American Patna, or Delitus, or Shoemed, or Blue Rose, or Early Prolific, or Louisiana Pearl, or the subclass Japan, respectively, which does not come within the requirements for any of the grades from No. 1 to No. 6, inclusive, or which has any commercially objectionable foreign odor, or is sour, heating, or hot, or is otherwise of distinctly low quality. The rough rice in each grade above sample grade shall be cool.

Note.- "Trace" in the above tabulation shall be interpreted to mean "not more than 1 in 500 grams."

Amend the grades for Damp and Wet rough rice to read as follows:

GRADES FOR DAMP, WET, AND VERY WET ROUGH RICE

Damp rough rice.- In the case of rice other than of the subclass California-Japan rough rice all rough rice containing more than 14 percent but not more than 15.5 percent of moisture shall be considered damp.

In the case of rice of the subclass California-Japan rough rice all rough rice containing more than 15 percent but not more than 16 percent of moisture shall be considered damp.

Damp rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not damp, and there shall be added to and made a part of such grade designation the word "Damp".

Wet rough rice.- In the case of rice other than of the subclass California-Japan rough rice all rough rice containing more than 15.5 percent but not more than 17 percent of moisture shall be considered wet.

In the case of rice of the subclass California-Japan rough rice all rough rice containing more than 16 percent but not more than 17 percent of moisture shall be considered wet.

Wet rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not wet, and there shall be added to and made a part of such grade designation the word "Wet".

Very Wet rough rice.- In the case of rice other than of the subclass California-Japan rough rice all rough rice containing more than 17 percent of moisture shall be considered very wet.

Very wet rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not very wet, and there shall be added to and made a part of such grade designation the words "Very Wet".

In the case of rice of the subclass California-Japan rough rice all rough rice containing more than 17 percent of moisture shall be considered of low quality and shall be graded "Sample Grade".



Amend the grades for Seedy and Very Seedy rough rice to read as follows:

GRADES FOR SLIGHTLY SEEDY, SEEDY, AND VERY SEEDY ROUGH RICE

The determination of whether rough rice other than of the subclass California-Japan rough rice, is slightly seedy, seedy, or very seedy, shall be made on the basis of the lot of rice as a whole.

In the case of rice of the subclass California-Japan rough rice, the determination of whether rough rice is seedy, very seedy, or sample grade on account of seeds shall be made after the removal of separable foreign material.

Slightly Seedy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 0.1 percent but not more than 0.5 percent of weed seeds it shall be considered slightly seedy.

Slightly seedy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not slightly seedy, and there shall be added to and made a part of such grade designation the words "Slightly Seedy".

Seedy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 0.5 percent but not more than 2 percent of weed seeds it shall be considered seedy.

If, after the removal of separable foreign material, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 0.5 percent but not more than 1.5 percent of weed seeds it shall be considered seedy.

Seedy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not seedy, and there shall be added to and made a part of such grade designation the word "Seedy".

Very Seedy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 2 percent of weed seeds it shall be considered very seedy.

If, after the removal of separable foreign material, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 1.5 percent but not more than 3 percent of weed seeds it shall be considered very seedy.

Very seedy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not very seedy, and there shall be added to and made a part of such grade designation the words "Very Seedy".

If, after the removal of separable foreign material, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 3 percent of weed seeds it shall be considered of low quality and shall be graded "Sample Grade".



On page 15 of Service and Regulatory Announcement No. 108 add the following immediately preceding the heading "Grades for Stained, Mud-dragged, and Musty rough rice:

GRADES FOR SLIGHTLY MUDDY, MUDDY, AND VERY MUDDY ROUGH RICE

The determination of whether rough rice is slightly muddy, muddy, or very muddy shall be made on the basis of the lot of rice as a whole. The quality so determined shall be stated as hereinafter provided for and the statement shall be added to the grade designation of all rough rice except rough rice of the subclass California-Japan.

Slightly Muddy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 1 percent but not more than 2 percent of muddy kernels, or if rough rice contains more than 0.1 percent but not more than 0.5 percent of mud lumps, it shall be considered slightly muddy.

Slightly muddy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not slightly muddy, and there shall be added to and made a part of such grade designation the words "Slightly Muddy".

Muddy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 2 percent but not more than 5 percent of muddy kernels, or if rough rice contains more than 0.5 percent but not more than 2 percent of mud lumps, it shall be considered muddy.

Muddy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not muddy, and there shall be added to and made a part of such grade designation the word "Muddy".

Very Muddy rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 5 percent of muddy kernels, or if rough rice contains more than 2 percent of mud lumps, it shall be considered very muddy.

Very muddy rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not very muddy, and there shall be added to and made a part of such grade designation the words "Very Muddy".

Amend the grades for Mud-dragged rough rice to read as follows:

Mud-dragged rough rice.- If, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 2 percent of kernels with a distinct amount of mud clinging to them, it shall be considered mud-dragged.

Mud-dragged rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not mud-dragged, and there shall be added to and made a part of such grade designation the word "Mud-dragged".

The determination of "mud-dragged" shall only be made for rice of the subclass California-Japan rough rice, and the word "mud-dragged" shall be added to and made a part of the grade designation for only rice of the subclass California-Japan rough rice.

Amend the grades for Slightly Chalky, Chalky, and Very Chalky rough rice to read as follows:

GRADES FOR SLIGHTLY CHALKY, CHALKY, AND VERY CHALKY ROUGH RICE

The determination of whether rough rice is slightly chalky, chalky, very chalky, or sample grade on account of chalky kernels shall be made after the hulls have been removed from the rice.

Slightly Chalky rough rice.- All rough rice containing more than 3 percent but not more than 6 percent of chalky kernels shall be considered slightly chalky.

Slightly chalky rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not slightly chalky, and there shall be added to and made a part of such grade designation the words "Slightly Chalky".

Chalky rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 6 percent but not more than 12 percent of chalky kernels it shall be considered chalky.

If, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 6 percent but not more than 10 percent of chalky kernels it shall be considered chalky.

Chalky rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not chalky, and there shall be added to and made a part of the grade designation the word "Chalky".

Very Chalky rough rice.- If, in the case of rice other than of the subclass California-Japan rough rice, rough rice contains more than 12 percent of chalky kernels it shall be considered very chalky.



If, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 10 percent but not more than 15 percent of chalky kernels it shall be considered very chalky.

Very chalky rough rice shall be graded and designated according to the grade requirements of the grade applicable to such rice if it were not very chalky, and there shall be added to and made a part of the grade designation the words "Very Chalky".

If, in the case of rice of the subclass California-Japan rough rice, rough rice contains more than 15 percent of chalky kernels, it shall be considered of low quality and shall be graded "Sample Grade".

Amend the grades for Milling Quality to read as follows:

#### MILLING QUALITY

Milling quality shall be based on the utility value of the rough rice for milling purposes. The test for milling quality shall be determined by use of the Smith shelling device, described in Circular No. 48, dated October, 1928, issued by the United States Department of Agriculture.

Milling quality shall be determined as prime milling quality, good milling quality, medium milling quality, fair milling quality, ordinary milling quality, or low milling quality for head rice yield, and as A milling quality, B milling quality, C milling quality, D milling quality, E milling quality, or F milling quality for total yield of head rice and broken rice.

The milling quality so determined shall be stated in hyphenated form (as for example Prime-A milling quality) and shall be added to and made a part of the grade designation of all rough rice except rough rice of the subclass California-Japan rough rice.



On pages 15 and 16 of Service and Regulatory Announcement No. 108

amend the following definitions to read as follows:

Basis of determinations.- For all rough rice except rice of the subclass California-Japan rough rice each determination of general appearance, temperature, odor, moisture, muddy kernels, mud lumps, weed seeds, milling quality, and insects injurious to stored rice shall be on the basis of the lot of rice as a whole. For all rough rice except rice of the subclass California-Japan rough rice each determination of red rice, damaged kernels, chalky kernels, and other classes shall be upon the basis of the rice after shelling.

For rice of the subclass California-Japan rough rice each determination of general appearance, temperature, odor, moisture, separable foreign material and finely broken kernels, milling quality, mud-dragged, and insects injurious to stored rice shall be on the basis of the lot of rice as a whole. For rice of the subclass California-Japan rough rice each determination of red rice, damaged kernels, and other classes shall be upon the basis of the rice after shelling. All other determinations shall be upon the basis of the rice when free from separable foreign material and finely broken kernels and before shelling.

Separable foreign material and finely broken kernels.- For rice of the subclass California-Japan rough rice separable foreign material and finely broken kernels shall be all matter other than rice which will not pass through a No. 12 sieve and all kernels and pieces of kernels of rough rice and all foreign matter which will pass through a No. 6 $\frac{1}{2}$  sieve. The determination of separable foreign matter and finely broken kernels shall not be made for rough rice other than of the subclass California-Japan rough rice.

Mud lumps.- In the case of rice of the subclass California-Japan rough rice mud lumps shall be lumps of dried mud which will pass through a No. 12 sieve but which will not pass through a No. 6 $\frac{1}{2}$  sieve. In the case of rice of the subclass California-Japan rough rice mud lumps which will not pass through a No. 12 sieve or which will pass through a No. 6 $\frac{1}{2}$  sieve shall function in grading only as "separable foreign material and finely broken kernels".

In the case of rice other than of the subclass California-Japan rough rice mud lumps shall be lumps of dried mud of any size and all mud lumps shall function in grading as mud lumps.

Cereal grains.- Cereal grains shall include barley, rye, wheat, emmer, spelt, einkorn, corn, and grain sorghums, and shall not include buckwheat, flaxseed, oats, and wild oats.

In the case of rice of the subclass California-Japan rough rice cereal grains which will not pass through a No. 12 sieve or which will pass through a No. 6 $\frac{1}{2}$  sieve shall function in grading only as "separable foreign material and finely broken kernels".

In the case of rice other than of the subclass California-Japan rough rice all cereal grains shall function in grading as cereal grains.

Weed seeds.- Weed seeds shall be grains, kernels, or seeds, either whole or broken, of any plant other than rice or other cereal grains.

In the case of rice of the subclass California-Japan rough rice weed seeds which will not pass through a No. 12 sieve or which will pass through a No. 6 $\frac{1}{2}$  sieve shall function in grading only as "separable foreign material and finely broken kernels".

In the case of rice other than of the subclass California-Japan rough rice all weed seeds shall function in grading as weed seeds.

Muddy-kernels.- Muddy kernels shall be kernels of rough rice with a distinct amount of mud clinging to them.

(S E A L)

In testimony whereof I have hereunto set my hand and caused the official seal of the Department of Agriculture to be affixed, in the city of Washington, this 26th day of July, 1933.

Henry A Wallace

Secretary of Agriculture

